

Title (en)
VACUUM HEAT-INSULATOR.

Title (de)
VAKUUM-WÄRMEISOLIERMATERIAL.

Title (fr)
MATERIAU THERMO-ISOLANT SOUS VIDE.

Publication
EP 0682206 A1 19951115 (EN)

Application
EP 95900927 A 19941121

Priority
• JP 9401966 W 19941121
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Abstract (en)
A vacuum heat-insulator (6) formed by tightly packaging a shaped product comprising acicular crystals of calcium silicate entangled in a three dimensional manner in a reduced pressure state in a container (2), (3), (4) composed of a composite film formed by laminating a metal foil, or vapor-depositing a metal or metal oxide to a plastic film, and having a thermal conductivity at 20 DEG C of not more than 0.015 Kcal/m.hr. DEG C. This vacuum heat-insulator (6) brings about no environmental problems upon discarding caused by dusting, and is capable of displaying an excellent heat-insulating performance without using fron. <IMAGE>

IPC 1-7
F16L 59/06

IPC 8 full level
F16L 59/06 (2006.01)

CPC (source: EP KR)
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US6132837A; EP1865246A1; EP1647759A3; WO0019139A1; US7449227B2

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WO 9514881 A1 19950601; CA 2154450 A1 19950601; CN 1040905 C 19981125; CN 1118622 A 19960313; DE 69416506 D1 19990325; DE 69416506 T2 19990708; EP 0682206 A1 19951115; EP 0682206 A4 19960327; EP 0682206 B1 19990210; KR 960700428 A 19960120

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JP 9401966 W 19941121; CA 2154450 A 19941121; CN 94191333 A 19941121; DE 69416506 T 19941121; EP 95900927 A 19941121; KR 19950703049 A 19950722